

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Re: Inventor(s): **Barnes et al.**

Title: **MONITORING DIMENSIONS OF FEATURES AT DIFFERENT LOCATIONS IN THE PROCESSING OF SUBSTRATES**

22389 U.S. PTO
 10/646943

08/21/03

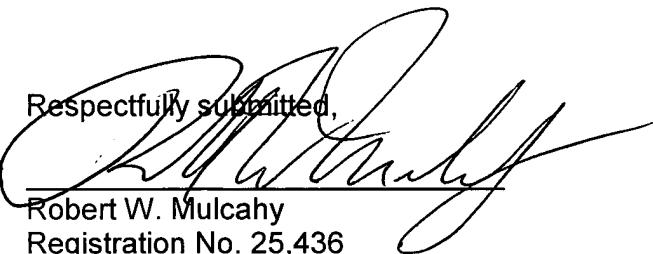
Transmitted herewith is the patent application identified above, including:

- Specification, claims and abstract, totaling 52 pages
- Drawings totaling 13 pages, Formal X Informal
- Executed Declaration and Power of Attorney
- Assignment of the invention to Applied Materials, Inc. and Assignment Recordation Cover Sheet
- Return Receipt Postcards (2)

FEE CALCULATION					
Fee Items	Claims Filed	Included with Basic Fee	Extra Claims	Fee Rate	Total
Total Claims	34	- 20 =	14	x 18.00	\$ 252.00
Independent Claims	6	- 3 =	3	x 84.00	\$ 252.00
Basic Filing Fee				750.00	\$750.00
TOTAL FEES					\$1,254.00

- The Commissioner is hereby authorized to charge \$ 1,254.00 to Deposit Account No. 50-1074.
- The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1074. A duplicate copy of this transmittal is enclosed.
- Please address all future correspondence to: **APPLIED MATERIALS, INC.**
Patent Department, M/S 2061
P.O. Box 450A
Santa Clara, CA 95052

Respectfully submitted,


 Robert W. Mulcahy
 Registration No. 25,436

Express Mail Label No: <u>E 1341110233 US</u>	Date of Deposit: <u>August 21, 2003</u>
---	---

United States Patent Application for:
**MONITORING DIMENSIONS OF FEATURES AT DIFFERENT LOCATIONS IN THE
PROCESSING OF SUBSTRATES**

Inventors:

1) Michael Barnes, a citizen of the United States of America, 12215 Santa Teresa Drive, San Ramon, CA 94583;	7) Michael D. Armacost, a citizen of the United States of America, 6577 Springpath Lane San Jose, CA 95120;
2) John Holland, a citizen of the United States of America, 1565 Calaveras Avenue, San Jose, CA 95126;	8) Neil E. Hanson, a citizen of the United Kingdom, 1610 Nantucket Circle, #117, Santa Clara, CA 95014;
3) Hongqing Shan, a citizen of the United States of America, 1369 South Stelling Road, Cupertino, CA 95014;	9) Diana Xiaobing Ma, a citizen of the United States of America, 19600 Kilt Court, Saratoga, CA 95070;
4) Bryan Y. Pu, a citizen of the People=s Republic of China, 3064 Rosato Court, San Jose, CA 95135;	10) Ashok K. Sinha, a citizen of the United States of America, 4176 Hubbartt Drive, Palo Alto, CA 94306; and
5) Mohit Jain, a citizen of India, 4754 San Tropico Court, San Jose, CA 95135;	11) Dan Maydan, a citizen of the United States of America, 12000 Murietta Lane, Los Altos Hills, CA 94022.
6) Zhifeng Sui, a citizen of the United States of America, 41706 Covington Drive, Fremont, CA 94539;	

Assignee: Applied Materials, Inc.
Entity: Large Entity
AMAT Docket No: 6726 USA/ETCH/CONE/JB
(Also 6843, 6845, et al.)
J&A Docket No: 6726/CTRL

Express Mail Label No: EV34110233 US

Date of Deposit: AUGUST 21, 2003